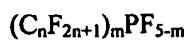


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Process~~ The process for the preparation of perfluoroalkylphosphines, ~~characterised in that it comprises at least the reaction of~~ comprising reacting at least one fluoro(perfluoroalkyl)phosphorane with at least one hydride ion donor, wherein the reaction mixture is refluxed during the reaction, and a perfluoroalkyl phosphine is produced.

2. (Currently Amended) ~~Process~~ A process according to Claim 1, ~~characterised in that~~ wherein the fluoro(perfluoroalkyl)phosphorane employed is a compound of the general formula I



I

in which $1 \leq n \leq 8$, preferably $1 \leq n \leq 4$, and m is in each case 1, 2 or 3.

3. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that~~ wherein the fluoro(perfluoroalkyl)phosphorane employed is ~~a compound selected from the group consisting of~~ difluorotris(pentafluoroethyl)phosphorane, difluorotris(n-nonafluorobutyl)phosphorane, trifluorobis(n-nonafluorobutyl)phosphorane ~~and or~~ or difluorotris(n-heptafluoropropyl)phosphorane.

4. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that the~~ reduction is carried out without a reaction medium.

5. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that~~ wherein the hydride ion donor is ~~a compound selected from the group consisting of a~~ hydrosilanes hydrosilane, an alkylhydrosilanes alkylhydrosilane, a metal hydrides hydride, a borohydrides borohydride and hydroborates or a hydroborate.

6. (Currently Amended) ~~Process~~ The process according to Claim 5, ~~characterised in that~~
wherein the alkylhydrosilane is triethylsilane or tripropylsilane.
7. (Currently Amended) ~~Process~~ The process according to Claim 5, ~~characterised in that~~
wherein the borohydride is sodium borohydride.
8. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that~~
wherein the hydride ion donor is employed in an equimolar amount or in excess, in each
case based on the amount of fluoro(perfluoroalkyl)phosphorane employed.
9. (Canceled)
- 9 10. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that~~
wherein the duration of the reaction is ~~from 0.5 to 20 hours, preferably from 1 to 15 hours.~~
- 10 11. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that~~
wherein the perfluoroalkylphosphine(s) is (are) purified by distillation, ~~preferably~~
optionally under an inert-gas atmosphere, ~~if desired and optionally~~ under reduced
pressure.
12. (Currently Amended) ~~Use of at least one tris(perfluoroalkyl)phosphine~~ A process for
the perfluoroalkylation of chemical substrates, comprising reacting said substrates with a
tris (perfluoroalkyl) phosphine.
13. (Original) ~~Use~~ The process according to Claim 12, ~~characterised in that~~ wherein the
perfluoroalkylation is carried out in the presence of a base.
14. (Currently Amended) ~~Use~~ The process according to Claim 12, ~~characterised in that~~
wherein the substrates employed are ~~organic compounds, preferably~~ tricoordinated
organoboron compounds and/or organic compounds containing carbonyl groups.